

## ArChine Geartek FPG 150

### Food Grade Synthetic PAO Gear Oil

#### Product Description

ArChine Geartek FPG 150 is supreme performance hydraulic, compressor, gear and bearing oils designed to provide outstanding equipment protection, long oil life and problem-free operation in the food and beverage processing and packaging industries. They are formulated from FDA and NSF registered hydrocarbon base fluids and additives. The combination of the naturally high viscosity index and the proprietary additive system enables the ArChine Geartek FPG 150 to provide outstanding performance in a wide range of service applications at high and low temperatures, high loading and in areas of high wash-down well beyond the capabilities of typical mineral oils.

ArChine Geartek FPG 150 is NSF H1 registered lubricants and also comply with Title 21 CFR 178.3570 by the Food and Drug Administration (USA) for lubricants with incidental food contact.

ArChine Geartek FPG 150 can provide good wear protection, excellent oxidation stability, protection against rust and corrosion even in moist environments and provide good system cleanliness. The ArChine Geartek FPG 150 is also compatible with seals and other construction materials used in equipment normally lubricated with mineral oils.

#### Features and Benefits

Features	Advantages
NSF H1 registered lubricants	Allows use in food and beverage packaging and processing applications
High viscosity index	Maintains viscosity and film thickness at high temperatures to help protect equipment Exceptional low temperature performance, including low power consumption at start-up
High load carrying capability	Helps protect equipment and extend life Minimizes unexpected downtime and extends service periods
Good seal compatibility	Less contamination and lower potential oil leakage

#### Distributor Wanted

Shanghai PingYiao Trading CO., Ltd.

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Excellent oxidation stability	Provides long oil and equipment life
Excellent water separation and good corrosion protection	Prevents the internal system from corrosion even where large quantities of water are present
	Maintains lubrication performance even after high pressure wash downs
Meets a wide range of equipment requirements	Multi-service applications - One product can replace several
	Minimizes inventory requirements and reduced potential for product misapplication
Low traction coefficient	Reduces overall friction and can increase efficiency in sliding mechanisms, with potential for reduced power consumption and lower steady-state operating temperatures

### Applications

ArChine Geartek FPG 150 is recommended for use in a wide variety of hydraulic, compressor, gear and bearing applications within food and beverage processing, packaging and pharmaceuticals. The products are effective in many applications including those where maintenance costs of component replacement, system cleaning and lubricant changes are high.

ArChine Geartek FPG 150 is NSF H1 registered for incidental food contact only. They are not to be used as direct food contact lubricants.

### ArChine Geartek FPG-150 meets the flowing standards:

ISO 11158 (HV); DIN 51524, p.1, p.2 and p.3 (HL, HLP, HVLP); US Steel 127 and 136; ISO 12925 (CKB, CKC); DIN 51517, p.1, and p.2 (C, CL); AGMA 9005-E02 (RO, EP); David Brown S1.53.106

### Typical Properties\*

ArChine Geartek FPG	ISO 150
Appearance	Light yellow transparent liquid
Density@ 20°C, g/cm <sup>3</sup>	0.850
Viscosity@ 40°C, mm <sup>2</sup> /s	147.2
Viscosity@ 100°C, mm <sup>2</sup> /s	18.28

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# **ARCHINE**

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Viscosity Index	140
Flash Point, °C (open cup)	248
Fire point, °C	272
Pour Point, °C	-45
Foaming Characteristics	
24°C,	20/0
93.5°C,	10/0
24°C	20/0
Copper Strip Corrosion, 100°C/3hr, grade	1
NSF Registration number	149875

\*Typical data shall not be used as product specifications.

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